

Date Book
For
1929

CALENDAR FOR 1929

1929	S	M	T	W	T	F	S	1929	S	M	T	W	T	F	S
Jan.			1	2	3	4	5	July	..	1	2	3	4	5	6
6	7	8	9	10	11	12		7	8	9	10	11	12	13	
13	14	15	16	17	18	19		14	15	16	17	18	19	20	
20	21	22	23	24	25	26		21	22	23	24	25	26	27	
27	28	29	30	31	...	...		28	29	30	31	...	...	...
Feb.	...	...	...	...	1	2		Aug.	...	...	...	1	2	3
3	4	5	6	7	8	9		4	5	6	7	8	9	10	
10	11	12	13	14	15	16		11	12	13	14	15	16	17	
17	18	19	20	21	22	23		18	19	20	21	22	23	24	
24	25	26	27	28	...	...		25	26	27	28	29	30	31
Mar.	1	2		Sept.	1	2	3	4	5	6	7
3	4	5	6	7	8	9		8	9	10	11	12	13	14	
10	11	12	13	14	15	16		15	16	17	18	19	20	21	
17	18	19	20	21	22	23		22	23	24	25	26	27	28	
24	25	26	27	28	29	30		29	30	...	...	...	...	...
31	...	...	...	...	...	...			
Apr.	..	1	2	3	4	5	6	Oct.	..	1	2	3	4	5	
7	8	9	10	11	12	13		6	7	8	9	10	11	12	
14	15	16	17	18	19	20		13	14	15	16	17	18	19	
21	22	23	24	25	26	27		20	21	22	23	24	25	26	
28	29	30	...	...	...	...		27	28	29	30	31	...	...
May	...	...	1	2	3	4		Nov.	...	...	...	1	2	
5	6	7	8	9	10	11		3	4	5	6	7	8	9	
12	13	14	15	16	17	18		10	11	12	13	14	15	16	
19	20	21	22	23	24	25		17	18	19	20	21	22	23	
26	27	28	29	30	31	..		24	25	26	27	28	29	30	
June	1			Dec.	1	2	3	4	5	6	7
2	3	4	5	6	7	8		8	9	10	11	12	13	14	
9	10	11	12	13	14	15		15	16	17	18	19	20	21	
16	17	18	19	20	21	22		22	23	24	25	26	27	28	
23	24	25	26	27	28	29		29	30	31	

Date Book
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Trade Mark

K & T

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1929 Tuesday 1, Jan.

New Years Day

Jan. Wednesday 2, 1929

1929 Thursday 3, Jan.

Jan. Friday 4, 1929

1929 Saturday 5, Jan.

Jan. Sunday 6, 1929

1929 Monday 7, Jan.

Jan. Tuesday 8, 1929

1929 Wednesday 9, Jan.

Jan. Thursday 10, 1929

1929 Friday 11, Jan.

Jan. Saturday 12, 1929

1929 Sunday 13, Jan.

Jan. Monday 14, 1929

1929 Tuesday 15, Jan.

Went to El Cajon Rotary Club today. A moderately clear day. Nothing seen. 30 miles. Out via Broadway; in via Cajon Avenue.

Jan. Wednesday 16, 1929

1929 Thursday 17, Jan.

Jan. Friday 18, 1929

left for Chicago and New York
today at noon.

1929 Saturday 19, Jan.

20

Jan. Sunday 20, 1929

1929 Monday 21, Jan.

22

Jan. Tuesday 22, 1929

1929 Wednesday 23, Jan.

Spent the afternoon in the Field Museum. Checked the rattles fairly well. Met Blomme, Osgood and some others.

Jan. Thursday 24, 1929

1929 Friday 25, Jan.

Spent the day after 10 AM in the US NM. Met Dr. Stegner and Miss Cochran. Also Remington Kellogg, A. W. Wright and Mrs. Wright (of Cornell) and Fowler of the Philadelphia Academy.

Worked on rattlers until 4³⁰. Got fairly well acquainted with available material.

Jan. Saturday 26, 1929

Worked in the USNM on rattlers all day.

1929 Sunday 27, Jan.

Left for New York tonight.

Jan. Monday 28, 1929

Spent a short time at the American Museum this afternoon getting acquainted. Met Noble, Clifford Pope and Hassler. Counted and checked rattlers.

1929 Tuesday 29, Jan.

McKinley's Birthday

Jan. Wednesday 30, 1929

Saw Dr. do Amaral for about an hour between trains. Discussed matters and his forthcoming papers.

1929 Thursday 31, Jan.

Spent all day at the American
Museum working on rattles

Feb. Friday 1, 1929

Spent the morning with Ditmars
at the Zoo. Very interesting collection.

1929 Saturday 2, Feb.

Saw later dead a *Scaphiopus hammondi* taken this day at La Mesa.

Feb. Sunday 3, 1929

1929 Monday 4, Feb.

Traveling through Arizona.

Winslow is an almost flat prairie. No rocks. Little brush. Looks like it would be good soil with water. Some distant escarpments and washes.

At Canyon Diablo it is still virtually bare. Quite level except for a few rocky gorges of which Canyon Diablo is an example.

At milepost 322 (and somewhat before) the Juniper? forest has begun. The land has become rolling and rocky.

At milepost 328 it is rough, hilly and rocky. Plenty of Junipers. This is Wimona. Plenty of pines in the distance.

At Cosino there are many big trees and a snowstorm has begun.

Feb. Tuesday 5, 1929

Back at San Diego.

1929 Wednesday 6, Feb.

Feb. Thursday 7, 1929

Went to meeting of the Herpetological Society of Calif in L.A. tonight. A talk on snakes by Bryan of Riverside.

He exhibited a queer Calif King. An even series of spots  down the dorsal line from head to tail. Two quite even lines on each side, mottled and striped below.

1929 Friday 8, Feb.

Feb. Saturday 9, 1929

Drove in from Tijuana this morning. A clear cold day. Nothing seen. 15 miles.

1929 Sunday 10, Feb.

Feb. Monday 11, 1929

1929 Tuesday 12, Feb.

Lincoln's Birthday

Feb. Wednesday 13, 1929

1929 Thursday 14, Feb.

St. Valentines Day

Rec'd today from Ted Myers a
Hypsiglena large from Santa Fe.
Rare. Found under a rock.

Feb. Friday 15, 1929

1929 Saturday 16, Feb.

Recd

Feb. Sunday 17, 1929

1929 Monday 18, Feb.

Feb. Tuesday 19, 1929

1929 Wednesday 20, Feb.

Feb. Thursday 21, 1929

Reed today a young Garter taken
at Dobe Falls and several B.a.
leucophaea var. Pearl and young
Wright. The batrachoseps are from S.D.

1929 Friday 22, Feb.

Washington's Birthday

Feb. Saturday 23, 1929

Recd today from Pearl.

1 small gopher dead on the road at Old fa mesa.

1 *Hyla arenicolor*

4 *Batrachoseps*

from Massacre Canyon, Riv. Co
1 *Bufo boreas halophilus*

about 1 doz *Hyla regilla*

from Morena, Riverside Co

1 small *Arizona elegans occidentalis*

from Lakeview, Riverside Co

this was plowed out.

1929 Sunday 24, Feb.

Feb. Monday 25, 1929

1929 Tuesday 26, Feb.

Feb. Wednesday 27, 1929

1929 Thursday 28, Feb.

Mar. Friday 1, 1929

1929 Saturday 2, Mar.

Mar. Sunday 3, 1929

1929 Monday 4, Mar.

Recd today from Ted Myers a small
gopher snake taken at Vista.

Mar. Tuesday 5, 1929

Reed today from Pearl two Boyles Kings,
some Lizards and 3 *Hyla regilla* from
Mission Valley. All with localities
designated. Reed from Ayres a
small gopher from Imperial Beach. Reed
from Gandy & Aneides from Mission
Valley and saw another there.

One Boyles King San Diego

Contained a small Gopher snake

One do San Diego Found under plaster
Lizards were a little and Shrikes.

1929 Wednesday 6, Mar.

Mar. Thursday 7, 1929

1929 Friday 8, Mar.

Mar. Saturday 9, 1929

1929 Sunday 10, Mar.

Mar. Monday 11, 1929

Recd today via Ayres a small
Arizona elegans occidentalis caught
by A L Pickens at San Felipe. Caught
under a rock. Contained a partly digested
lizard seemed to be a full grown Uta
stans.

1929 Tuesday 12, Mar.

Mar. Wednesday 13, 1929

Drove to Los Angeles late in the afternoon starting at 4⁰⁵. A cool day; rained yesterday.

Miles in the County 61.5.

One young gopher at La Jolla D.R.
at the start of the Hog Canon grade.

1929 Thursday 14, Mar.

Returned from Los Angeles this morning. A clear cool day. Saw two dead snakes - one at the County line; one at Los Flores but did not stop to identify.

Mar. Friday 15, 1929

I drove to El Cajon (out Broadway,
back Cajon Ave) thence to Escondido
and back via Hodges Dam and Del
Mar. Total 110 miles.

I snake seen. Small gopher DOR
at Santa Fe Ranch.

1929 Saturday 16, Mar.

Mar. Sunday 17, 1929

Today went 7 miles beyond the Narrows with family and the Uhendorfs. Started at 10 AM; returned at 6¹⁵. A cool cloudy day in town with high fog. On the desert clear with some wind. Not warm. Went out via Broadway, La Mesa Julian and Banner; returned same way except via Fletcher Hills and El Cajon Ave. 186 miles.

No snakes seen alive or dead. Hunted only one place - Yagin Well - where we lunched, and there for a short time only.

No lizards were seen on the desert except a half dozen Utes. Got one at Yagin Well. Caught two *Hyla regilla* in Yagin Well but turned them loose again.

1929 Monday 18, Mar.

Mar. Tuesday 19, 1929

Went to Agua Caliente with Uhlandorf and Peckham. Nothing seen. 15 miles in the country. Return trip not counted as it was raining and nothing could be seen.

1929 Wednesday 20, Mar.

Went to Tia Juana with Uhendorff
a clear day. 30 miles Nothing seen.

Mar. Thursday 21, 1929

Recd today a yearling C. oreogamus
from S. D. Caught by Benedict. Dead.

1929 Friday 22, Mar.

Went to Del Mar and back to look
at land. A cold rainy day. Nothing
seen. ~~25~~ to 50 miles.

Mar. Saturday 23, 1929

Saw today at the Zoo a
Chuckwalla from Santa Rosa Mts.

1929 Sunday 24, Mar.

Mar. Monday 25, 1929

1929 Tuesday 26, Mar.

Mar. Wednesday 27, 1929

1929 Thursday 28, Mar.

Mar. Friday 29, 1929

1929 Saturday 30, Mar.

Reed today a small *Ensatinia*
from Pearl & caught in Idyllwild
Riverside Co.

This afternoon went to Corte Madera.
A cold cloudy windy day. 54.7
miles. Went via El Cajon Ave.

1 gopher Jew DOR at Alpine

1 do large do do

1 *Tremosphidion* large DOR at
old Viegas Grade toward bottom.

This evening at Corte Madera the
Hyla regilla were calling in the
ponds.

Mar. Sunday 31, 1929

Walked up to the top of Coste Madera Mt in the morning. Saw Stellies and several half grown Oreguttis. Xantusias negative. Saw 1 half grown skink. Caught 1 Batrachoseps under a log.

The nights are still quite cold.
The day while clear was cool.

Nothing seen on return trip

1929 Monday 1, Apr.

Apr. Tuesday 2, 1929

Noted a juvenile gopher dead
on the road in the park.

Talked on snakes to American
Assn. Engineers

1929 Wednesday 3, Apr.

Went up Mission Valley today
from Bridge to Texas St. 4 mi
saw nothing.

Ted Myers brought in a juvenile
goat from Del Mar.

Talked on snakes to O'Rourke's
adult nature class.

Apr. Thursday 4, 1929

1929 Friday 5, Apr.

Apr. Saturday 6, 1929

Today Walter brought in a small
Batrachoseps from Bostonia.

Had planned to go out to Coyote
Well this week end with Weiss and
Walter, but today was cold following
several wet days so called it off.

Spent the week end packing rattles
for shipment back to the institutions
from which they were borrowed.

Material should be examined in following order:

A. Scutellatus - confluentus investigation

Kansas & Harvard 3 A.M.N.H.

B. Tigris - Mitchellii investigation

Material to be checked &c small stunted almost
white confluentus from S.E. Utah and S.W. Colo.

A.M.N.H. 1

Michigan 1

Cal Acad 2

Field ✓ (To be sent for).

U.C. ✓ (On the edge - not so good.)

Colorado ✓ do. 1 is only a head.

Principal material still to be sent for.

U.S.N.M. Various and extensive

Field 2 lots conflue and Hellers tigris

U.C. Camps Turtle Mt. Mitchellii also various
northern Cal Oregon; new material from Sono Cal. and Nev.
Carnegie Collection from Pittsburgh promised by
Nature

Stanford Collection

1929 Sunday 7, Apr.

Today I packed specimens for shipment and shipped to Michigan, Cornell, Kansas, Gloyd and Utah. This completes all shipments to be made at this time.

Also preserved specimens. Also got ready for book talk to Fellows S. D. S. N. H tomorrow.

Specimens still retained for entire checking or for further consideration as of this date are as follows.

AMNH. Ortenburger collection of *atrox* and *scutellatus*. 1 or 2 other items including 1. S.E. Utah. A total of 39 snakes including 8 embryos.

Harvard. A misc. collection of about 13 snakes. Not touched yet.

USNM Entire Death Valley Expedition collection of *tigris*.

Colorado 2 *Confluentus* from S. E. Party state

Kansas 1 Remaining brood of New Mexico *Conflu-*

Michigan 1 *Confluentus* from S.E. Utah.

Bogert Utah material ready to return June

N. California. 2 NE Ariz *Tigres*, all Cal. and Nevada *Tigres*, some *mitchelli* and San Joaquin *Oregans*.

Cal. Acad. 2 S.E. Utah *Confluentus* and 1 *Arizona oregana*.

Apr. Monday 8, 1929

1929 Tuesday 9, Apr.

Apr. Wednesday 10, 1929

Today I saw at the zoo 2 gopher snakes that struck fiercely. Medium size. Maybe season.

Phil brought me a juvenile gopher caught in S.D.

1929 Thursday 11, Apr.

Walker forest lot as a lizard record.
(Snakes through regular Zoo system)

8	<i>Xantusia henshawi</i>	Deerhorn Flat.
1	<i>Eumeces skiltonianus</i>	do
1	<i>Phrynosoma b. blainvillii</i>	Dulzura
3	<i>Sceloporus occidentalis</i>	Deerhorn Flat
4	do <i>o. biseriatus</i>	do.
1	<i>Hyla arenicolor</i>	Dulzura.
56	± <i>Batrachoseps att. leucopus</i>	"
1	do	Burtonia.

Apr. Friday 12, 1929

Today showed library and collection
to Geo. L. Myers of Stanford and his
partner Cranthorne? Cranthor?

Myers saw today:

I L. g. boylii	L.	Fallbrook (Caught)
I P. C. arnedens		Bansall D.O.R.

1929 Saturday 13, Apr.

Went out today to the Palm Canyon on the west side of Borrego Valley. Weiss and Chuck had gone the day before. Took Phil in my car. Peckham, L.B. Jones, G.S. Myers and ~~Clareton~~ made up the party. Started at 1¹⁰. Arrived at 5³⁰.

Distance 100.2 miles. Went out by way of El Cajon Ave and Fletcher Hills. It was a cool and windy day. Cloudy. Quite cold at Julian. Picked up myres at Julian.

First stop at Senterac Canyon bridge. Myers got 1 Hyla of each species. I saw 2 Oreuttis under a rock.

In Borrego Valley it was clear, cold and windy. Saw a piece of a Rhinocerelus caught in town of Borrego. Very wide black rings with almost no red. Large size.

Hunted after supper until 9 P.M. Myers saw one lizard but nothing else was seen. Wind had stopped (Weiss said it had blown strongly the previous night and all day) but it was quite cold. Ground was cold.

<i>I.M. lateralis</i>	D.O.R.	Med	Shady Dell
<i>I.R. lecontei</i>	D.O.R.	L.	Borrego (see above)

Apr. Sunday 14, 1929

This morning at 7³⁰ started up Palm Canyon. Lincoln's Assassination
 A fine clear warm day. Not hot, little
 breeze. About 3 miles to the nearest Palms.
 The Canyon is very rocky.

Collected the following:

Uta microscutata

Uta stansburiana

Uta mearnsi

Crotaphytus tessellatus

Hyla arenicolor

Sauromalus obesus

Crotaphytus collaris.

Xantusia henshawi

The microscutes were fairly plentiful up where the rocks were most plentiful and were on both light and dark rocks. Here they seemed to replace *Uta stans*. which was more plentiful further down the wash. *Uta mearnsi* was quite common. The whiptails and collared lizards were taken at the beginning of the wash. *Hylas* were plentiful on the borders and in the washes but not easy to catch. Both chuckas were taken by myself under thick flakes. *Xantusia* was surprisingly rare as there were many good flakes, yet I got only one and lost one. Gave a number of specimens to Myers.

Jones saw one skink and lost him. Myers partner saw a sq red racer and lost him. I saw a couple of large skellies.

1929 Monday 15, Apr.

Sunday April 14 (Cont.).

but could not tell whether they were
Orcuttii or Magister.

There were (Ice & Red) on Crotaphytus
and Sauromalus

Returned to camp at 11³⁰.

About noon walked around the camp
for about 20 minutes. Saw only one lizard
a small Dipsosaurus which was baged.

Left camp at 3 P.M.

Narrow 14.4 mi.

Hogvi Well 20.2. at 4 P.M.

Saw only 2 lizards between camp and
Hogvi Well. 1 Uta and 1 Whiptail.

No Collies were seen today.

near the bottom of the Sentenac
Canyon the Utas were more in evidence.

1 Garter medium D.O.R. Witch Creek.

Count my 7.5 miles today as it was
quite dark at PanTEE.

Uta microscutata all blue below with
brilliant orange throats. Back colors are
somewhat different from those at Jacumba.

Bufo punctatus was reported from
here the following night by Mayes.

Apr. Tuesday 16, 1929

1929 Wednesday 17, Apr.

Went out to Jamul 18 miles by
Broadway extension at 5 P.M. Not
seen. Found 1 Batrachoseps under a
Board.

Phil showed me a small gopher D.R.
at Balboa bridge.

Apr. Thursday 18, 1929

Heard today from Myres that
he took *Bufo woodhousei* at El
Centro and also Harper Well.

1929 Friday 19, Apr.

Flew down from Fresno.

Recd today from G.W. Simpson a
fine scutellum from Griffith Ariz
via Needles.

Recd today from Myers a large
Boa from Colorado Canyon.

Apr. Saturday 20, 1929

Worked over specimens today.

1929 Sunday 21, Apr.

Today was a moderately warm clear day; slightly windy in the afternoon.

Went to White Eagle corner via Campo; returned via highway Bostonia and Fletcher Hills. Started at 11^3° ; returned at 6^1° . With family, Jane and Harriett C. 141 miles. Hypass 68 miles.

Camped at 65.8 about 2 miles west of Hypass and hunted here only for about an hour and a half. The granite is soft and does not flake. Nevertheless Xantusiæ are plentiful under the chunks. Saw 4 under a single piece. They are hard to catch. I got only 3. Also one Orcetti. Saw in addition several skellies and utas. Also 1 *Bufo b. halophilus* under a rock high on a hill. Not near any water. (i.e. 100 yds or more)

While I was hunting Phil caught a large gopher; only live snake seen.

1 Gopher	L	DOR.	Foot Dulzura grade
1 do	S	DOR.	Bingerville
1 do	S.	DOR	La Posta
1 do	S	DOR.	Flynn Spring

1 Horned toad at Dulzura and 1 half way up the Peters grade.

Apr. Monday 22, 1929

1929 Tuesday 23, Apr.

[Specimen list from Sunday May 5th]

1	Leafnose	M.	9 mi. N. of Kane Spr.	D.O.R.
1	Sidewinder	L	10 mi N of Kane Spr	D.O.R.
1	"	S	do	D.O.R.
1	Leafnose	M.	12 mi N. of Kane Spr (This is at Tule Wash Bridge)	D.O.R.
1	Sidewinder	S	17 mi N of Kane Spr	D.O.R.
1	McCallie		do	D.O.R.
1	Uta stans		do	caught not kept
1	Arizona elegans	S	8 mi S. of Coachella	D.O.R.
1	Sidewinder	S	6 mi do	D.O.R.
1	Arizona	M	4 mi S. of Coachella	D.O.R.
1	Leafnose	S	3 mi S. of Coachella	D.O.R.
1	Arizona	S	1 mi N. of Coachella	D.O.R.
1	Dipsosaurus	.	5 mi N of Indio	D.O.R.
1	Boyles King	L	Cabazon	D.O.R.
1	Arizona	L	3 mi E. of Banning	D.O.R.
1	Red Racer	L	3 mi E of Banning	D.O.R.
			(San Gorgonio Wash)	
1	Long Nose	L	4 mi N of Elsinore	D.O.R.
1	Red Racer	M	1 mi S. of Temecula	D.O.R.
1	Banded Racer	M	1 mi N of County line	D.O.R.
1	do	L	Fallbrook	D.O.R.
1	Red Rattle	L	do	D.O.R.
1	Red Racer	L	do	D.O.R.
1	Alligator	L	2 mi S. of Fallbrook	D.O.R.

Apr. Wednesday 24, 1929

Removed venon today from snakes.
Got good lots. They seem to have good
quantities in spring.

Checked the results for divided infarctials
17+ to 1- (single counts)

1929 Thursday 25, Apr.

To Del Mar and back to inspect
substation. 5 miles

1 gopher McD D.O.R. Pacific Beach
1 do small do Hog Canyon
1 do do Caught on Road Del Mar

Out via La Jolla; returned via Rose
Canyon.

Apr. Friday 26, 1929

Went to Agua Caliente with
Drummond Foster Fowler. 30 miles.
1 Gopher small D012 stay

1929 Saturday 27, Apr.

Started in ^{Grace's birthday} El Centro at 1³⁰ P.M. with Philip. A cold cloudy day in town. Went out by way of El Cajon Ave and El Cajon. Got somewhat warmer as we proceeded. Not clear until reached the desert. Moderately warm at El Centro. Total miles for the day 167; 91 miles in San Diego County.

Few lizards seen on the road on the way out. Turned up to Painted Gorge to see water; road was not bad. Stopped for supper at Al's Place, Plastic City.

In the evening hunted near Heber and got 1 *Rana pipiens*. Hunted with flash lights in El Centro and then went to the New River but got nothing. Not a

Stopped at the Bauls a while.

1 *masticophis lateralis* L DOR Alpine

1 *hammondiellus c. californicus* L DOR Alpine

Alvar were the only snakes seen today, alive or dead.

Apr. Sunday 28, 1929

This morning was clear and moderately warm, not hot.

Started for Coyote Wells at 8 AM, and hunted there while waiting for Walker's party. At first there were few lizards out but as it warmed up they became more plentiful. The whiptails seemed to come out first. I got whiptails and collies here (> each). Not a good many. Also saw Utas and maybe wisligenie.

Went on to foot of Mt. Springs grade and hunted here with Walker. Got several Uta meemei, 1 Chuck, 1 Pholidodactylus (with mites) and saw Utas. Walker saw several Xantusiids but I saw none although I turned many stones.

Left Walker at 2 P.M. and started for home. Stopped for $\frac{1}{2}$ hour at big rocks east of Jacumba and got 4 Uta meemei, 2 Uta micro and 1 Uta stans. Also saw Scelop. Came in via Fletcher's Hills.

Total miles today 186; in county 91.

1	Deserticola	S	DOK	Dixieland.
.	vittatula	M	DOK	Bonelard.
1	annectens	S	DOK	Newtown
1	tigrinus	S	DOK	Ta Posta
1	tigrinus	S	DOK	do (See next page).
1	tigrinus	S	DOK	Vegas
1	lecontei	L	DOK	Murray Dam

Horse at 15.5

1929 Monday 29, Apr.

Seal brought me last night.

- | | | | |
|---|-----------------|----|--------------|
| 1 | T. o. hammondi. | M. | Cuyamaca |
| 2 | C. ceastes | S. | Mason Valley |
| 1 | M. f. frenatus | L | do |

Many common toads from Vallecito.

- | | | |
|---|---------------|--------------|
| 1 | Uta stans | Mason Valley |
| 2 | Phryno. platy | do |
| 1 | Uta stans | Cuyamaca |
| 1 | Skelly | |
| 1 | Skunk | |
| 1 | Alligator | |

Referring to the young C. o. regalis on the previous page, on approaching this specimen a crow was observed to be fighting with it, jumping on it, seizing it and then dropping it etc., not understanding that it was dead and quite dried up.

Rec'd today a juvenile Pacific Rattle; Caught at Alpine by I.D. Hough.

Apr. Tuesday 30, 1929

Today starting at 1³₀ P.M. went out with Chittenden and Peckham. a clear mild day. El Cajon Ave, El Cajon, Viejas, Old Viejas Grade, Descanso, Cuyamaca, Julian, Santa Ysabel, Warner's Ranch where we stayed all night. 92 miles. Arrived at 5.45 P.M.

Hunted only one place and then for a few moments only this being on North Cuyamaca Peak above the lake. Here 2 skinks were seen and I caught. Quite a few logs were turned over.

- 1 *Annectens* Juvenile D.O.R Grossmont
- 1 *Oreganus* Juvenile D.O.R Alpine *
- 1 *Annectens* Juvenile D.O.R. Descanso
- 1 *T. o. hammondii* Medium D.O.R Green Valley
- 1 *Latareles* Large D.O.R. Pine Hills Junction
- 1 *Annectens* Juvenile D.O.R Wyoala *

Alligator lizards collected on the road at Ojai and Cuyamaca. A few skeletons seen in the road.

In the evening it was quite windy but not cool. *Hyla nevadensis* were calling in the creek. Found 3 *Bufo b. holophilus* hopping in the road but did not collect them.

* David Specimens.

1929 Wednesday 1, May

Warren's Mata Guay Ranch, Henshaw
Dam, Palomas (east to west) Rincon,
Valley Center, Escondido, Vista, Oceanside,
San Diego (via Rose Canyon) 13½ miles

This day started with a strong east wind which persisted throughout. Moderately cool in the mountains but very hot from Rincons onward. First really hot day of the year. Very dry.

Started for Treanor's ranch at 7⁴⁵. Had breakfast there. A hard wind blowing. Nothing seen on the way except a snake track.

After breakfast climbed quite a ways up the north shoulder of Volcan. Turned over quite a few logs. Nothing seen not even lizards. Hard work. Back at 10³⁰. Then started for town. Wind still blowing. Did not stop to hunt any place thereafter.

1 ? alive on road near Henshaw. Probably either gopher or garter but got away in the grass. Was small.

1	Oreomys	Turkile	DOK	East end Palomas *
1	Garter	med	Caught	W. end Palomas
1	Red Racer	large	DOR	Escondido
1	Ictidomys	large	DOR	Rose Canyon
1	Gopher	do	do	do

A few lizards seen along the way. 1 Horned toad half way down the west grade. Didn't stop.

May Thursday 2, 1929

Went to Los Angeles today to address Herpetological Society on "Herpetology for the Amateur." Went alone. Started at 3¹⁰ P.M.; arrived at 6¹⁰. 59.6 miles in S.D.C. It was a clear hot day, the second hot day of the year. 87° in S.D. Clear.

1 Boyles King	Small	Rose Canyon	D.R.
1 Gopher	do	do	do
1 Cal. King	do	do	Caught on
1 Gopher	do	Cardiff	D.R.
1 Red Racer.	Med	Stewart	D.R.
1 Gopher	Large	Las Flores	do
1 do	Small	do	do
1 do	Med	Serra	do
1 Red Racer	Large	Capistrano	do
1 Gopher	Small	Tustin	do

Saw a Hypsiglena from Lost Horse Valley, 30 mi. S.E. of San Palome in San Bern Co. 4-5000 ft. Was light colored.

Bogert had a Tubercular Gecko from Ripley Riverside Co., Calif. Also several ring necks from Los Angeles City. He gave me two.

1929 Friday 3, May

Another warm day. Called on Weinberg and got from him an Oreogamas caught at Caliente, Kern County.

Then saw Tex Schulbach at Long Beach. He had four scutes, 63 atrox, 3 cerastes and 1 molossus. Traded him an exsul for 2 scutes (1 larger) from Victorville; others (smaller) from L. F. Thompson, Peoria, Ariz. Checked some atrox for postnasal, proocular intersections $34 = 1$, $0 = 2$, $7 = 3$, $0 = 4$. Started home from Long Beach at 12 noon.

1 Cal. King (Spotted)	large	Opp. Balboa	D.R.
1 Banded Racer	large	San Onofre	D.R.
1 Boa	large	5 mi S. of S. On.	D.R.
1 Boyles King	large	Ses Flora	D.R.
1 Gopher	med	Stewart	D.R.
1 Gopher	large	Solana Beach	D.R.
1 Gopher	large	Rose Canyon	lost on

Couldn't stop car for about 50 yards &c on a narrow turn. When I went back he was gone. Beach S.D. at 3 P.M.

Some distances.

County line	0
Ses Flora	12.2
Stewart	15.3
Oceanside	19.9
San Diego	59.5

May Saturday 4, 1929

Went out with Philip to Borrego Hotel. Found it much run down. Evidently this town is for the present a ghost. Only a few families living around.

Started at 1³⁰ P.M. The day was part cloudy and cool all the way to San Felipe Valley where it began to warm up. Was in sharp contrast to the hot days of the middle of the week. Arrived at Borrego at 5³⁰ miles 98.5. Went via Mission Gorge.

Only one or two lizards were seen and snakes also were a disappointment. Was very windy from San Felipe down. Punctured crank case of the car on a rock about 3 mi West of the hotel.

1 Gopher	Tow	Grantville	D.O.R
1 Banded Racer	L	Top Mussey G.	DoR
1 Gopher	Small	Ballena	Caught On
1 Long Nose	L	San Felipe	DoR.
1 Sidewinder	L	Borrego (Hotel)	Caught off.

Hunted at dark for about one hour (7³⁰ - 8³⁰). Wind had died down somewhat but then started up again. Got one large sidewinder at the roadside. It was pleasantly warm, but too windy. Bed at 9 P.M.

1929 Sunday 5, May

At Borrego this morning we looked around for a while but saw nothing. It was too windy. Moderately warm. Not uncomfortably hot anytime during the day.

Went home by way of Kane Spring, Mecca, Palm Spring, Banning, Beaumont, Morongo, Elsinore, Fallbrook, Escondido. Total miles today 266.3. Miles in county 75. Miles to be counted (4 $\frac{1}{2}$ darkness). 39.

First stop was at Harper's Well for about $\frac{1}{2}$ hour. Got 2 Uta stans, 1 Colly and 2 Toads (probably woodhousei - to be identified later) Woodhousei OK next stop 1 mi. N. of Kane Springs on the highway. $\frac{1}{2}$ hour. Stopped here as there were some sand hills near the road and I hoped to find Uma notata. Got 3 Collies and saw one fast cream colored lizard that might have been Uma but can't be sure.

Hunted for an hour around Travertine rock at S.D - Imp - Riv. Co Junction. Saw many dips but did not get anything.

Very windy east of Banning, lead snakes would have been blown off the road.

Stopped for supper at Escondido at 6 $^{\text{30}}$. From there on it would have been too dark to see anything.

This was a good trip from standpoint of dead specimens but was too long to permit lizard collecting. A surprising number of Lizards and Arizona [for specimen list see end, Tuesday April 23]

May Monday 6, 1929

(Sunday May 12 Continued)

Hunted for a while in a moderately sandy area 2 mi west of Dixieland and was surprised to get one large Uta. Also saw a Dip and possibly a Cally.

Saw one large Dip near foot of Mt. Spring's Grade.

Hunted for a while in the rocks 3 mi east of Jacumba at about $4^{\circ} - 3^{\circ}$. Got 3 Uta meensis and about 7 Uta stans. Also saw Uta mico (tried hard to collect without success) Skellies and Orcuttis ^{almost damaged an} eye with a gun.

Went on in at about 3° . Saw several lizards on the way and one horned toad crossing the road at Jamul at 6° . Saw several snake tracks and stopped at one but had no luck.

1 Gopher S.	D.R.	Hipass
1 Banded Racer	L "	Bulgava
1 long nose	L "	Jamul.

Reached home at 7 P.M. Found it hot and humid; more uncomfortable in town than in the back country. Returned via Camps, Spring Valley, La Mesa and El Cajon Lvs. Total miles 225; miles in County .86..

Deer brought in tonight from Laguna
6 1/2 Yards ast, 1 ^M Gopher, 8 Pinto.
(1 of which was dead)

1929 Tuesday 7, May

Worked hard tonight preserving
specimens

Took the following over to the zoo
which may not get entered in list.

Gopher	med	Bonney	Santa Clara Mts &
do	med	hat Hist	San Diego
Garter	large	do	Mission Valley
Boa	large	Ted Myers	Mosca Canyon

May Wednesday 8, 1929

Worked hard this noon and night
preserving Specimens

1929 Thursday 9, May

Drove to Los Angeles this afternoon with Gg. Started at 2⁵⁰; arrived at 6⁵⁰. A clear cool day. 6^{1/2} miles in country. Via La Jolla.

1 Gopher	med	DOR	~mi N. of Oceanside
1 Long nose	L	DOR	do
1 Gopher	med	DOR	Los Flores
1 do	do	DOR	do
1 do	do	DOR	do
1 Banded Racer	med	DOR	San Onofre.
1 Gopher	med	DOR	do.

Recd today from Philip a young
Scaphiopus hammondii caught in
 San Diego.

May Friday 10, 1929

Returned from L.A. this afternoon.
Started at 2¹⁰; arrived at 7 P.M. Had
a puncture. Clear cool day.

1 Gopher bed DOR San Clemente
1 do do DOR do

Nothing seen inside County. Count
48 miles to date.

1929 Saturday 11, May

Started for Brawley at 2 P.M. today with the intention of doing some night hunting with Philip. It was a warm humid day in town; cooler in the back country; not overly hot on the desert. Did no hunting on the way out. A few lizards were seen.

Brake on left rear wheel froze on Mt. Springs grade. Just entering Brawley burned out blower on right front wheel either due to brake heating or to severe pumping on detours at this point. This finished idea of hunting during the night. Looked around Brawley with spot lights until 9 P.M. in park and at S.P. depot where the palms were being irrigated but found nothing.

Went out via Market St. Miles in county 91.7
Total miles to Brawley 142.

Banded Racer	L	D or R	San Diego
1 Long nose	L	"	"
1 Gopher	S	"	Ta Mesa
1 Cal King	L	"	Alpine (Top of Grade)
1 Patch nose	L	"	" "
1 Banded Racer	M	"	1/2 way up old Vegas Gr.
1 Gopher	S	"	Descanso
1 Red Racer	S	"	Jacumba
1 Desert Gopher	L	"	5 mi w. El Centro

Also checked on Mt. Springs Grade.

Stopped at the Planters Hotel.

May Sunday 12, 1929

Mother's Day

Got the car again this morning and started for Kane Springs and beyond at 8¹⁵ to see if snakes were as thick as last week. They weren't. Drove 35 miles up the road and back or about 13 miles beyond Kane Springs.

1 sidewinder S DOR 5 mi N. of Kane Springs
 1 Gopher L DOR 5 of Kane Spr.
 1 Gopher M DOR 1/2 of West woodland.

(Both latter were in desert, not cultivated country).

1 P. mcallii found injured on the road near Kane Spr. Sawed spec. & Calyps noted close by here.

1 Ryp shot near Kane Spr. Had in his mouth what proved to be the dried skin of a Uma. Could it have had it long as it broke away on a slight touch.

Hunted for toads in a small pond north of West woodland which was sufficiently permanent to contain many small fish but found nothing.

Returned to the garage at about 10⁴⁵ and had more work done on the bearing which was noisy. Left at 11⁴⁵. Figured we would not risk a trip to the sand hills on account of the bearing trouble. Didn't want to take any chances.

Returned to El Centro via Holtville. Nothing seen enroute except several squashed toads, perched at El Centro. (Continued May 6¹¹)

1929 Monday 13, May

Removed venom from 24 fresh
rattles at noon today. Did not
get a very good supply.

Noted that 12 exsul had 54
divided first infrabials.

Out of about 10 oreganus one
had only 2 internasals instead
of the usual 4.

Of 4 mitchellii all had
scale rows between rostral and
prenasal.

May Tuesday 14, 1929

(Sunday May 19th Continued)
was in a hurry to get Phil home.

1?

1 Banded Racer

1 Red Rattle

1 Gopher

1 Pacific Rattle

1 Gopher

Set on 4 mi W. of Pala

L lost on. do

M Caught off 4 mi. E. of Russell.

S DOR Bernardo

S DOR. Murphy Canyon.

L do do

This last had had a couple of young
rabbits squeezed out.

1929 Wednesday 15, May

(Sunday May 18th - Continued)

rather than wet sand. There are many trees in the wash - some oaks. Learned to stand under the trees and listen for leaves rustling, then flash the light on the spot and look for the toad. This was particularly successful under oaks. There was a half moon - no wind comfortably cool. Heard many *Hyla regilla* and *H. aveneola*. Also heard the Pine Valley trill which may be *Californicus*.

Got 14 *Bufo californicus*
(several adults)

8 *Bufo b. holophiles*

1 *S. hammondii*.

1	Gopher	Med	D.O.R.	Murray Dam	11.3
1	do	do	do	do	11.7
1	Long Nose	L	DOR	El Cajon	14.8
1	Band Racer	M	DOR	Foster	24.9
1	Boyles King	S.	Caught off	Oak Grove	

Total miles today 96.

May Thursday 16, 1929

Received today from C. B. Perkins
20 rattles taken 20 mi N.W. of Delta
Utah and 1 gopher from same place.

Saw F.E. Walker today; he told of
taking the tantilla at Deerhorn at
13° A.M. crawling on the ground, only
one he had ever seen in the open.

Received today from Frank Hoke 1 Gopher
Med City.

1929 Friday 17, May

Talked to Troop 20 on snakes.

Noted today an alligator lizard caught by Walker at Deehorn that contained three large black ticks (not mites)

May Saturday 18, 1929

Started out today with Phil at 1³⁰ P.M.
A clear moderately cool day. Rather warm
in El Cajon Valley but cool beyond. A few
lizards were seen on the road. First stop
in some rocks about a mile or so north of
Moretti's (Junction Warner's and Henshaw
Dam roads). Hunted here for about $\frac{1}{2}$ hour. Got
3 Uta stans (1766-8) Saw a good many Utes
and a few Skellies.

Next stop at a small pond $\frac{1}{2}$ way bet.
Moretti's and Warner's Hot Springs. Got nothing
here. Saw one Hyla regilla.

Arrived at Warner's at 4³⁰. 71 miles. Reserved
room and then went up the road toward Oak
Grove 11 miles. In the rocks where I got 2
red rattlers 2 years ago (now an oasis in
the burned area) I hunted for half an hour
from 5⁰ to 5⁴⁰. Got one small Bogles King, one
large whiptail (1761) and a Uta stans. The snake
when first seen was stretched out along the base
of a granite rock. He afterwards ate the Uta
in the rock. Also saw here but did not collect
Oreutti, Shelly and Xantusia. Got a horned
toad on the road at 5⁰. Returned to supper at
Warner's at 6 P.M.

After supper went up the road 1 mile to
the big wash. Hunted here 7³⁰ to 8³⁰ and
had good luck with toads. Found them in dry
(Continued to Wednesday May 15th)

1929 Sunday 19, May

This morning Phil was not feeling well (mumps?) so we decided to return to San Diego. Came in via San Luis Rey Canyon, Amayo, Rincón, Pala, Bonsall, El Cajon. Total miles 106.5.

Started at 8 A.M. reached home at 12³⁰. A clear cool day. A little warm in Rincón and Pala.

Saw many lizards along the way particularly Uta stans and Stellies. They were very thick in the rocks and trees in San Luis Rey Canyon. Also saw here 1 Whiptail and several stellies.

Saw one snake crossing the road about 4 mi. west of Pala. Probably garter or banded racer. Was too speedy. A few yards further on was a large banded racer in the center of the road. Had his head up about 10 inches and was surveying the situation. Shot him but was too far away and then lost him down a hole.

Hunted in rocks 4 mi e. of Bonsall. Got one red. Eyed. Had a hard time getting him out of the rocks. Also got 1 Orectilis. Saw Utas and Stellies. Did not hunt again and may have missed a snake or two on the way home as of

(Continued to Tuesday May 21)

May Monday 20, 1929

Removed venom from 23 snakes
this noon

1929 Tuesday 21, May

Watched a *Trimorphodon* eat a large *Xantusia* tonight. Did not see the entire process. When first seen the snake had the lizard by the center of the body with the upper jaw reversed so that it engaged the lizard's abdomen. The jaws were widely extended so that the back teeth were effective. The lizard had twisted so that it was biting the snake's lower jaw. Possibly was caught in the teeth so that it could not let go. The snake was doing nothing but bite continuously by spasmodic movements of jaw and neck muscles. Movements at about 4 sec. intervals. Did not use body. Kept this up for 7 minutes while observed. Then ceased observations but then came back after 10 minutes and found snake swallowing lizard head first. Disturbed him and he dropped lizard. Lizard was quite dead except for spasmodic twitching of tail. Left lizard in cage and it was eaten later.

Worked until midnight tonight pickling specimens. Was greatly helped by Seal and a boy named Marden and Davis who worked from 7³⁰ to 11 P.M.

Many of the titah and rattles contained well developed eggs.

May Wednesday 22, 1929

Bogert writes under date of May 18, 1929
that he took the following at Lovejoy Springs
in north eastern Los Angeles, Calif.

- 14 *Sauromalus obesus*
- 5 *Callisaurus ventralis ventralis*
- 5 *Uta stansburiana stejnegeri*
- 17 *Sceloporus magister*
- 8 *Phrynosoma platyrhinos*
- 5 *Xantusia vigilis*
- 2 *Crotalus cerastes*
- 1 *Masticophis flagellum frontalis*
- 2 *Gopherus agassizii*
also saw.
- Crotaphytus tesselatus tesselatus*
- Crotaphytus wislizenii*

Feed a young Pacific rattlesnake from Meyer
Caught at Del Mar

1929 Thursday 23, May

Heard today from J.T. Blackwood
Jacumba that the Trimorphodon recently
sent in came from Carrizo Gorge just
east of Tunnel 7. (This is about 3 mi
south of Carrizo Gorge Station on the
railroad) Was found between the rails
on the railroad track at 10 A.M.

Recd today from the Gas Co
Oceanside 2 Oregoneus, ^{IMIC} gophers M
and 1 Alligator lizard.

These are actually from Del Mar, taken
by I.D. High.

May Friday 24, 1929

1929 Saturday 25, May

Philip had the mumps so did not go out.
Worked all afternoon and evening on specimens
and tabulations.

May Sunday 26, 1929

Worked hard all day taking care
of specimens, cataloging etc.

Reed tonight from Reael taken
at Morena dam.

- 1 C. organus large
- 1 M. latirostris large.
- 1 B. b. halophilus

Also a miscellaneous lot of
Wta stans, skellies and orcuttis
in pickle.

Also one horned toad from Dulzura

1929 Monday 27, May

Removed venom from 33 rattlers today.
Saw what was probably the largest
mitchellii I have seen. Very large
around.

May Tuesday 28, 1929

Recd today from Ted Myers a
large red racer from Ramona.

1929 Wednesday 29, May

Went to El Cajon pub today and
out to Santee to see new lines out
Broadway, back by Fletcher Hills.
Rather warm in the back country.

One med. Long Nose DOR at Cholla Hts.

One large do do at Murray Dam.
Total miles 45.

May Thursday 30, 1929

Memorial Day

Philip sick did not go out. Went down to Coronado Islands with Charles Martin. Got good and sick. Did not land.

(Sunday June 4th Continued ②)

Left here at 3 P.M. County line 97.0 miles from Yuma.

Stopped at 2 points at the top of the hill but got nothing. Windy and rather cool.
Left here at 3rd.

1 Gopher L	D.O.R.	Guatay
1 " M.	"	Descanso
1 lateralis L	"	Alpine

Went in via Bostonia and Fletcher Hills.
Reached here at 6²⁰.

Miles in the County today 89. Total 186

1929 Friday 31, May

Sunday June 9th Continued.

at the roots of the brush. They hide also by going around a branch like a squirrel. They change color notably. The one we caught was dark gray on the branch; cream almost like an albinos when in the white sack.

Leaving the Sand hills many lizards some Uras, some Callies and an occasional dip were noted running about on the pavement. Sometimes several together. Picked up one Cally a mile west of where we hunted.

1 Sidewinder M DOR. 20 mi W. of Yuma.
Stopped for half an hour 1/2 miles east of Holtville saw a Cally and got one Uta graciosa No 1872. Also saw 1 dep.

At 12¹⁵ stopped for 15 minutes 8 mi E of Holtville just outside the irrigated area. Got 2 Whiptails. Also a little further on got a large leopard lizard DOR but worth saving.

Francis' Gates broke DOR 2.5 miles E of Holtville. I irrigated fields both sides. Left El Centro at 1:40 P.M.

1 Gopher M 6 mi W. of El Centro DOR.

1 Gopher S 10 " " " "

Stopped at foot of Mountain Spring Grade and got 3 Uta meansi and a large Chuck deer. Had a hard tussle to get him out of the crack in which he was hiding

(Continued May 30th)

June Saturday 1, 1929

Meyers and Kranzthw passed through on their way back. They had *Elaphe* *bairdii*, *Bufo alvarius* and other interesting live specimens I had not seen before. Gave them a good many live specimens including *Bufo californicus*, *Bufo boreas*, *Holophiles*, ~~&~~ *Hyla arenicola* and *Lana aurora* dryguae all from hereon.

1929 Sunday 2, June

Worked hard on specimens from 8AM to 5PM.

Went out to Valencia Park and Lemon Grove 5PM - 6³⁰ P.M. 20 miles. Nothing seen.

Twice in last two days California King's have taken to alligator lizards very readily.

This evening Pegeal brought in a large Boyles King from Fallbrook and a number of snakes and lizards from various points in Riverside County.

Boyles King 1918 L868 T110C ♀
had inside

Gopher 1919 L570 T92c ♂

June Monday 3, 1929

2 Young L. California got loose in
the house

↑ Talked to Scout Troops 30 and 33
tonight.

Last one showed up July 6th in
shop.

1929 Tuesday 4, June

Broadway, Euclid, University, La Mesa, El Cajon
Satue, Forte, Bostonia Road, Pepper Drive, Fletcher
Hills, El Cajon Ave. in the afternoon. A cool
day. 46 miles.

- 1 *Rhinocleis leantei* large Fletcher Hills DOR
1 *C. oregonus* juvenile Murray Dam DOR

Reed today from Alway a juvenile
Brewer's King. Flynn Springs.

This evening worked up 1928 trips index
from July 14 to end of year.

June Wednesday 5, 1929

Reed today from Bogert two
specimens

- 1 Great Basin organics from Zion Park.
- 1 *Sistrurus* (probably) from
8 mi. W. of Little Rock, L.A.-Co

Both are in rather poor condition having
been found dead on the road.

✓ noted the following locality records.-

Boyles King.

Hughland Park

Arroyo Seco

Desel Canyon, Ventura Co

Pacific Rattle

M. lateralis

Mt Wilson Trail.

Pacific Rattle

Loring Buttes

Sidewinders

L. multicincta

Mt. Wilson

Red Races

Hunt Canyon

C. c. molmon

Culver City.

1929 Thursday 6, June

Went to Los Angeles today to see Masses re natural gas. Took Philip. Started at 10³⁰ AM; arrived at 2⁴⁵. A clear cool day. Stopped for lunch in Capistrano. Went via Rose Canyon. 59 miles in county 129 miles total.

- 1 Juvenile Pacific Rattles DOR.. Rose Canyon.
- 1 Horned Toad Solana Beach.
- 1 medium Red Lizard D.R. Stuart.
- 1 Large " " " Galivan
- 1 " Boyles King " Montebello.

In the evening went to the Specimen Night meeting of the Herpetological Society and saw much interesting material. Traded for & received as gifts the following:

From Cannon a scute from upper end of Mojave. Exact locality later.

From Weinberg a Sonora occipitalis and a very small Phyllorhynchus from bet. Palm Spring and Indio. (These went astray; did not have bottle or animal home). He also had a large Arizona from the same locality.

From Bogert a large desert? gopher from Devil's Punch Bowl, L.A. Co. Also a Callosaurus, 3 S. magister and 2 X. vigilis from Borrego Buttes L.A. Co. Also an oreganus from Devil's Punch Bowl.

June Friday 7, 1929

Returned from Los Angeles today with Philip. A clear cool day. Started at 11³⁰, arrived at 5⁴⁵. Via La Jolla. Total miles 13⁶; miles in County 64. Via Long Beach & Laguna.

1 Arizona elegans M DOR Encadia

1 Gopher M DOR Pacific Beach

In the morning saw Wenbergs material. Got from him 3 B. punctatus and 4 B. Cognatus from Fish Spring. Also a queer striped sceloporus said to have been taken near Palm Spring.

Saw Schulz's collection and traded for 8 sidewinders, 5 scutes and a Pacific from Angela Camp.

✓ Saturday June 8th Continued

Another was seen and escaped.

1 Gopher small DOR 2 mi w. of Yuma
(dried specimen).

Hunted for 20 minutes 12 miles west of Yuma with flashlights but found nothing. Arrived at 9⁴⁵. 188 miles.

1929 Saturday 8, June

Started for Yuma with Philip at 5¹⁵ P.M. A rather cool overcast day. Reported cool in the desert which was why we went out. Went out by way of Spring Valley Junction (Broadway) Grossmont and the highway. Old Vegas Grade still in use.

1 Gopher L Grossmont lost on road.

He escaped into high brush before car could be stopped.

1 Calif King L DOR. Vegas

1 Gopher S " "

1 " L " "

1 Western Yellow Belly L DOR "

(all above were on roads bordered by fields of grass).

1 Garter L DOR Buckman.

1 Long nose L DOR mountain spring. Right at Co Line.

Miles inside county 90.4.

1 Sidewinder S DOR 5 mi E. of Coyote Well.

1 Desert Gopher L DOR 2 mi W. of Seley.

El Centro = 126 miles.

Started for Yuma after supper at 7¹⁵. Soon got quite dark. New moon. Some breeze. Cool and comfortable.

1 Sidewinder S Caught crossing the road at miles 16^{1/2}, 26 miles west of Yuma.

1 Sidewinder M Caught crossing the road at 20 miles west of Yuma.

1 Coleonyx Caught ~~at~~ 17 miles west of Yuma

June Sunday 9, 1929

left Yuma this morning at 7 AM. It was clear and comfortably warm as it was all through the desert. Very cool for this time of year. Max. temp. today at Yuma was 94. Hottest place we saw was Coyote Well at 3 PM. which was probably under 100.

1 Desert Gopher M. DOR 4 mi w. of Yuma.

1 Sonora occ. L DOR 10 " " "

Stopped at the sand hills at a point 16.7 miles west of Yuma. at 8 AM. Hunted until 10 AM and then fixed specimens until 10³⁰ before going on. A fine cooling breeze was blowing; very comfortable. Saw many lizards; got 2 alive and 27 shot. Lost very few. Saw 6 little graciosa and got 5 of which one was alive. No other lizards were seen in the sand hills. From the tracks I should judge that the birds run on their hind legs but I can't see them do it. Too fast. They will take to ground holes where such holes are available which they usually are not. But this usual method of escape is to run behind a bush and dive into the sand & continue on screened by the ~~as~~ bush. Difficult to tell which they do except by the tracks.

One was noted to jump out of a bush where he probably had an observation post. The large specimens are quite wary and difficult to get.

The lizards have had downed on bushes principally grease wood. They take refuge in holes

(Continued Friday May 31st)

1929 Monday 10, June

Showed my collection to A L Pickens
today. He was down to give a talk to
the Fellows of the Natural History Society.

June Tuesday 11, 1929

Went to El Cajon to talk at the Rotary Club lunch. A clear moderately warm today. Went out via Broadway; returned via Fletcher Hills. 11³⁰ - 2¹⁵ P.M.

1 Gopher large DOR San Diego.
(Marlboro Park)

1 Boyles King small DOR Fletcher Hills.

Recd today from Bogert

- 7 Xantusia vigilis
- 3 Sceloporus magister
- 1 Callosaurus ventralis
- 4 Uta stansburiana

1929 Wednesday 12, June

Worked tonight putting away pickled specimens.

Tonight watched the *Trachophisodon* eat another full grown *Xantusia benshawi*. Again he got a hold with the upper jaw in the abdomen. Again the spasmodeic biting, And there was no doubt that the poison was effective as the lizard was quite dead in a short time (10 min?) before swallowing began. The *Xantusia* was from Scatterer Canyon (Walker).

Tonight noted a small *A. e. occidentalis* brought in by Walker, taken DOR June 6 in Borrego Valley small.

Rent to Bogert

3 *Uta stans*

✓ *Cnemidophorus tessellatus tessellatus*

✓ *Uma notata* (alvix).

Today photographed organisms from Wenatchee, Wash; Kern Co, Cal (Caliente) and Carrizo Faultline.

June Thursday 13, 1929

Pickled specimens until midnight
assisted by Seal and Marsden.

Reed today a *B. b. halophilus* taken
in leaf mold by Huey June 9th 5 mi
N. of Ralston.

Reed today from Seal a small gopher
City June 13th

Amnilla pulchra Crescent Valley
June 9th halber.

bogot writes he collected Arizona
just outside of Faroacte; and *Rhinosciurus*
leucotis Palmdale.

1929 Friday 14, June

Flag Day

June Saturday 15, 1929

Reed today & young c. atros from
Col. Crimmins.

Worked hard on specimens this afternoon
and evening.

1929 Sunday 16, June

Worked today preserving, cataloging
and filing

Getting ready for trip to Del Monte.

Boyles King M. D.C.R Park

June Monday 17, 1929

Bunker Hill Day

This morning as I was preparing to leave I received 3 *Ensataea eschscholtzii* from Walter Hynes, 3274 Island Ave. Taken 50 ft back in a mine about 10 miles up the Honey Springs Road from branch point with the Dulzura Highway. Quite dark in there. This is evidently the Seguin's mine. Hynes was not sure of the name.

Also rec'd from Mr. Bulpett, SSP Co 1 Delta type Oregonus from Mono Basin. El 6700 T. N - R 26 E. MDM. This is just south of Mono Lake; probably near Williams Buttes. Left today for Del Monte Convention of PCEA. Started at 11¹⁵ with gg. Via Rose Canyon. A clear warm day. Arrived at Santa Maria at 9²⁰. Miles in County 56.4. Total miles 303.

1 Red Races L Old Town DOR.

1 Red Races S. DOR La Costa

1 Boyles K M. DOR Las Flores

Serval snakes (2, 3 or 4) were seen beyond LA but didn't stop.

1929 Tuesday 18, June

Started from Santa Maria for Del Monte at $11^{\frac{3}{4}}$. Clear and warm. Hot in the Salinas Valley. Via Castroville & c road closed. Miles today 191. Arrived at Del Monte at $4^{\frac{3}{4}}$

1 Gopher L. D or Arroyo Grande.

1 Boyles K L " Atascadero

1 Gopher M " San Ardo

1 Red Rat; M " 3 mi S. of San Lucas.

(Dwarf specimen)

June Wednesday 19, 1929

Drove from Del Monte to San Francisco via Chittenden Pass. Started at 4³°. Arrived at 8³°. Very hot in lower Santa Clara Valley.

1 Gopher L D.R. Sargent
1 do M D.R. Gilroy.

1929 Thursday 20, June

After spending morning with Chittenden on business attended noon meeting at Berkeley of Am. Soc. Ichth. & Herp. to organize a western group or branch.

At U.C. saw a fine series of rattles all Delta Type from Nevada. Also 3 Lucas and 2 Enys from the Cape.

In the afternoon borrowed from Gleeson 1 Lakeport specimen of Oregoneus and 3 Idaho specimens all from Black Creek Canyon 15 mi S. of Boise.

414 Sept 21 1926

421-22 Oct 5 1924

Started back to Del Monte via Los Gatos and Santa Cruz at 4³⁰; arrived at 9¹⁵. A very hot day in Santa Clara Valley. Nothing seen. Miles 129

June Friday 21, 1929

This evening went out around the lake at $11^{\frac{3}{4}}$. Caught ^{Longest Day} ~~two~~ ³ toads. Saw many lances around the lake but couldn't catch any. Heard *Hyla regilla*.

1929 Saturday 22, June

Went out again for a few moments this morning before convention sessions. Caught 1 toad and 3 Batracophryne. Saw Ranas and young hydes. Could not catch the former.

Started for Santa Maria at 2³⁰ this afternoon. Very hot in the valley.

1 C.c. mormon med DOR Bel Monte

1 Gopher L Bradley.

Miles 187.2

June Sunday 23, 1929

Started from Santa Maria at 7⁴⁰.

Very hot today inland. Bothered much by Sunday traffic particularly south of Sierra. Traveled via Santa Susana, Santa Ana and Rose Canyon. Miles today 317.5; in county 53.5.

1 Gopher S. DOR Orcutt. Didn't stop.
 (Sawd).

1 Gopher L DOR 5 mi N. of Buellton
 1 Gopher L DOR 6 mi N. of Elwood.
 (Santa Barbara Co oil field)

Nothing was seen inside county although there were two possibilities for which I couldn't stop b/c heavy traffic.

1929 Monday 24, June

Milked rattlers this noon. Got a fairly good lot of venom.

Saw today some *Hyla regilla* from De Ley not entered in Walker's list

Walker told me today of a Boyle's King which threw up 3 young Pacific Rattlers; and another which threw up a banded racer larger than itself.

order
of this
was
true
probably
more

June Tuesday 25, 1929

Boyles King small DOR morena
2 mi.

1929 Wednesday 26, June

June Thursday 27, 1929

1929 Friday 28, June

Rec'd today from Dave Gools
employe a large red roach from
Oceanside.

June Saturday 29, 1929

Went out to Camp Fletcher this afternoon to get Philip. A moderately hot day in the back country.

Start at 12⁴⁵; returned at 5¹⁵, 111 miles. A few lizards seen. No stops.

1 Boyles King M. DOR Fletcher Hills
1 Gophers M DOR River view.

Went out via Fletcher Hills and old Viejas Grade; returned via Julian.

1929 Sunday 30, June

Worked hard all day preserving
and cataloguing specimens. Instructed
Walker in the morning.

July Monday 1, 1929

L.S. Emerson, Jr called me up today, but as I was in Los Angeles on business I missed him.

1929 Tuesday 2, July

Recd today a horned toad from Abbott and several lizards from Huey taken on his Arizona trip.

July Wednesday 3, 1929

Gave final instructions to Walter
today.

1929 Thursday 4, July

Worked on specimens all day.
Independence Day

Noted 4 *Bufo californicus* from
Dehesa. As these are being sent
away this locality will not appear
in Specimen list.

July Friday 5, 1929

Went to Los Angeles on business with Gg, Alice and P.A. Bailey. Started at 10 A.M. Arrived at 2 P.M. It a moderately warm day. 36 miles in County; 176 miles total. Via Rose Canyon and Santa Ana.

1 Long nose L DOR La Costa
1 Boyle's K M DOR last floor.

In the evening went to a meeting of the Herp. Society. Supposed to be a specimen night but there was very little to see.

Bogert had the remains of a badly mashed Gymnophidian from Mint Canyon (4 mi. N.W. of Acton).

Roehrig gave me a pickled Multicincta from Glendora.

Rowe had a Coleonyx from Pawt House #2 in San Francisquito Canyon. Found in the Pawt House floor. Gave me one. The bodies are banded instead of spotted like our local form. This ought to be checked up later.

1929 Saturday 6 July

This morning early I saw Weinberg after a month's absence in Arizona. His trip was relatively unsuccessful. Got several very green *Crotaphytus collaris*. He got altogether 8 snakes; 2 *Sonora semiannulata*, 2 *C. atrox*; 3 *C. mitchellii*, 1 *C. tigris*. All died enroute home except the sidewinder. He gave me the 2 *Sonorae* not very well preserved. They are from the Huachuca Mts.

He also gave me a *Sonora occipitalis* and a *Phyllorhynchus* (latter with a bad tail) said to have been taken between Banning and Cabazon. More likely was east of Cabazon.

Looked at Schulz's stuff but he seemed to have little that was not there last time. Nothing interesting so I made no trades.

Started back at 9³⁰ via Long Beach and Rose Canyon. Nothing seen. Total miles 135; miles in County 56.

July Sunday 7, 1929

Spent the entire day today working up records. Too list of snakes from May 20 to July 1. Also summary table for first 6 months. Also maps for first 6 months.

Worked up 1929 diary and trips to July 1 1929.

1929 Monday 8, July

July Tuesday 9, 1929

Spent the evening tabulating lizard,
and amphibian entries from the
old Zoo records 1922-1926 inclusive.
Am trying to bring to date and
coordinate all locality records from
all sources and field notes likewise.

1929 Wednesday 10, July

July Thursday 11, 1929

Had an interesting talk this morning with Dr. H. C. Kellers U.S.N. just returned from the Phillipines (where he accompanied an eclipse expedition as naturalist) with a large preserved collection of reptiles and other material for the U.S.N.M.

He told me it was necessary to use full strength alcohol in the tropics on reptiles.

With reference to that Sonora occipitalis in the USNM from the "San Diego River" he says he remembers it distinctly but not the exact place as he has forgotten the geography of the country. It was above Old Mission Dam.

1929 Friday 12, July

Talked to three Scout troops at
the East San Diego Baptist Church.
Nos - 1-67-88

Note on Perkins' 3 specimens from
Colorado

The *Pituophis* and the larger rattles
are from Mullen reservoir 10 mi e. of
Platteville.

Smaller rattle, "few miles east of
Denver."

11

July Saturday 13, 1929

This afternoon at 2¹⁵ went out to meet Pearl near Fallbrook. A moderately warm clear day. Went with Philip via Murphy Canyon. Total miles 131. Returned home at 6¹⁰. Met Pearl about 6 mi beyond Fallbrook. Recd from him a miscellaneous lot of preserved snakes and lizards. Nothing alive.

1? Muraia DOR

Expected to check this on the way home but did not find it.

1 Gopher L. DOR San Marcos

1 Long Nose M DOR " "

1 Boyle's King S DOR 5 mi S. of Fallbrook

1 Western Worm L DOR 4 mi S. of "

Recd from Allan 1 large Cal King from Lone Portal.

1929 Sunday 14, July

Spent the day pickling and
tagging specimens

Noted to day a medium size Calif.
King killed a small Cal. Racer by
construction. Don't know whether it would
have attempted to eat later.

July Monday 15, 1929

Removed venom this noon
from 44 snakes.

Read a medium red race
from Tom Faulconer from San Felipe

1929 Tuesday 16, July

July Wednesday 17, 1929

1929 Thursday 18, July

July Friday 19, 1929

1929 Saturday 20, July

Went out to Camp Fletchers at
Cuyamaca to get Phil. Took out
Robert Young; came back with
Phil and Young Baker.

Went out over El Cajon and near
Vegas Grade just opened; came
back by Julian and Fletcher
Hills.

Moderate in town; hot in
back country; nothing seen.
126 miles.

July Sunday 21, 1929

Worked today on the Harvard Specimens as Forsteridge had asked that they be returned at once.

Noted for the first time that the Cedros Island Specimens are different from other *C. exsul* in tail stripes and relation between prenasal - first supralabial separation beside stripes color, blotches, obsolescence of blotches and size.

1929 Monday 22, July

July Tuesday 23, 1929

1929 Wednesday 24, July

Pickled snake tonight

July Thursday 25, 1929

Tonight I saw the live material shipped by Walker from Pandakung. To be checked later.

Gave 2 specimens of *Phrynosoma platyrhinos* to Mrs. Benchley
near Atalia July 30th

1 mouth of Gape River Canyon July 18th

The last thing he got was a fine specimen of *C. tigris* from 2 mi S. of Aberdeen, Inyo Co. Not this horse for 2nd generation.

1929 Friday 26, July

Worked this evening on Pearl's
last lot.

Took the trolley to Agua Caliente
to lunch. 30 miles. Nothing seen.

July Saturday 27, 1929

Worked this afternoon on Pearl's
and Walker's last lots.

Noted the following in Walker's
collection not to be picked and therefore
recorded for localities

1 large Desert Tortoise Kramer Hills

1 Chuckwalla 1 mi N of Little Lake
Inyo Co.

1 S. magister Hawea Reservoir, Inyo Co

1 C. cerastes 6 mi N. of Kramer,
San Bernardino Co.

1929 Sunday 28, July

Spent the entire day identifying
tagging and cataloguing Walkers and
Pearl's specimens. Finished everything
but Pearl's vanderburgianus and the
Carding.

July Monday 29, 1929

Milked 13 rattlers this noon.

Pickled 8 tonight.

Recd at the ZOO today an atrox
and 4 scutulatus with the following
note

"The large snake is an Arizona Hog
Rattle; the four smaller snakes are
American Desert sidewinders Rattlers
all of which were secured in the
vicinity 'Boot Cemetery'

Tombstone Cochise Co
Arizona"

HHW (Illman)

The scales were all fine dark
spotted ones.

1929 Tuesday 30, July

Went to El Cajon Rotary Club for
lunch. Via El Cajon Ave both ways.
30 miles. Nothing seen..

July Wednesday 31, 1929

Read today and tried out for
the first time the new Rattlesnake
tabulation sheet.

1929 Thursday 1, Aug.

Aug. Friday 2, 1929

Photographed Specimens this
AM.

Read today from Bogert
amongst other lizards a specimen
of *Phrynosoma douglassii hernandesi*
that gave birth to 27 young enroute.
26 were alive on arrival. They run
with quick short motions. Try to
bury them selves in sand rather
ineffectually.

1929 Saturday 3, Aug.

Afternoon checked Mc Kees
specimens from Grand Canyon. Also
worked on AMNH. rattles.

Mc Kees specimens follow.
R.S. Masticophis taeniatus taeniatus
B.A. Trail @ 6000 ft Grand Canyon
June 1929

R3 Lampropeltis pyromelana
Ranges station North Rim
Grand Canyon 8000 ft. June 1929

R29 Salvadora grahamiae hexalepis
Tonto Platform near Yaki Trail
(4000 ft.) Grand Canyon June 1929.

R4 Rouve Well Tank. South Rim 7000 ft.
Grand Canyon July 1928

R55 Grand Canyon Station South Rim
Aug 1928 (7000 ft) Grand Canyon.
Both are Thamnophis angustirostris

Aug. Sunday 4, 1929

Worked today on Ortenburgers
(AMNH) *Arsione atrox* and
completed the larger specimens
about 28 in all.

Also did some transferring
to the new sheets.

Pickled a few specimens.

The kids noted that the young
horned toads eat ants naturally.
They bob their heads, Bury
themselves with fair success.

1929 Monday 5, Aug.

Read today from Santa Fe
 & Scutes (very light) Bissell, Calif.
 4 " (very dark) Granite Ariz
 at mile post 47. Check on these
 not final.

1 Blacktail Drake, Ariz.

This latter seems to be a northern record
 by a long distance.

Today Walker came in with several
 good snakes and a fine series of *Bufo*
punctatus from Aqua Caliente Spring (bet
 Vallecitos and Carrizo)

He also had a worm snake from the
 same place that I first thought might
 be *Leptotyphlops* but it proved not to be.
 Very unusual color, pink and trans-
 parent. Thought it might be an
 albino, but the eye pigment is there.
 He had an eyelid from well down on
 the Vallecitos which I will preserve.

He told me of an old man who
 put aside for him about 15 snakes
 at Aqua Caliente but they were in the
 sun and all died. Hard luck!

The Aberdeen Tiger Rattler was
 seen to issue from a hole at
 6:30 P.M.

(Continued next page)

Aug. Tuesday 6, 1929

(Continued from Monday 5th)

Noted today a very large diamond
backed oreganus from Beaufortia.
wt $2\frac{3}{4}$ lbs. length $5\frac{1}{4}$ " Very large
rattles.

Also a mitchellii from Escudido?
wt $2\frac{3}{8}$ lbs.

1929 Wednesday 7, Aug.

Aug. Thursday 8, 1929

1929 Friday 9, Aug.

Aug. Saturday 10, 1929

Received from Walker today 149
Triturus toads (4 dead) of which
145 were sent to Whelnuth at
Woods Hole. Also there were several
Hyla arenicolor which I did not
favor.

1929 Sunday 11, Aug.

Worked today on Stanford, Kansas
Grand Canyon and odd specimens.

Aug. Monday 12, 1929

Milked 17 rattles today.
Willie was along.

1929 Tuesday 13, Aug.

Aug. Wednesday 14, 1929

Recd today from Percy Fisher
Caught in Escondido a medium red
Racer.

1929 Thursday 15, Aug.

Today photographed a medium Arizona atrox (Date or Drake) and Walker's Agua Caliente Spring medium exsul.

Noted today at the zoo a medium atrox. from Earl Belk et gang Johnson Grand View, Arizona.

Recd last week a Coral King from Dr Van Wart's terrace (Descanso?)

Recd today for study 13 organisms from V. M. Tanner, Brigham Young University, Provo, Utah.

Aug. Friday 16, 1929

1929 Saturday 17, Aug.

Worked all afternoon preserving
and tagging. Nothing done
on rattles.

Aug. Sunday 18, 1929

Today finished the last bound
of Kansas W specimens (7) and
the Brigham Young University specimens
(13)

1929 Monday 19, Aug.

A large western diamond from
Date, Arizona dead on arrival.

Aug. Tuesday 20, 1929

1929 Wednesday 21, Aug.

Aug. Thursday 22, 1929

1929 Friday 23, Aug.

Aug. Saturday 24, 1929

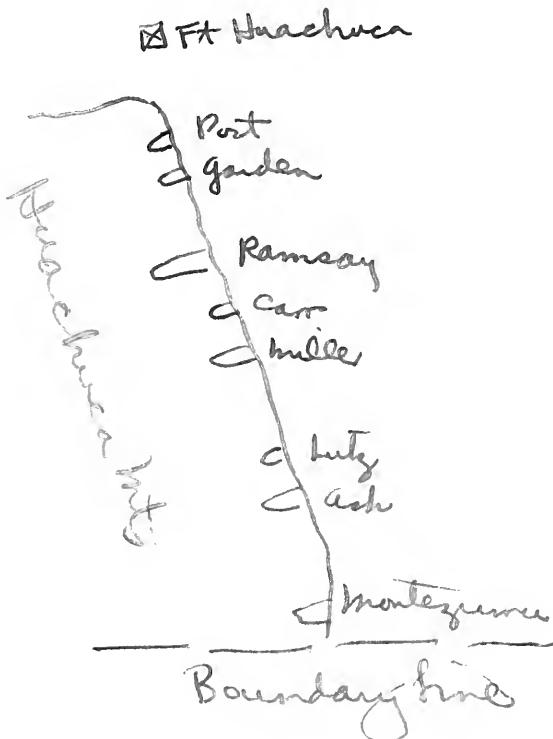
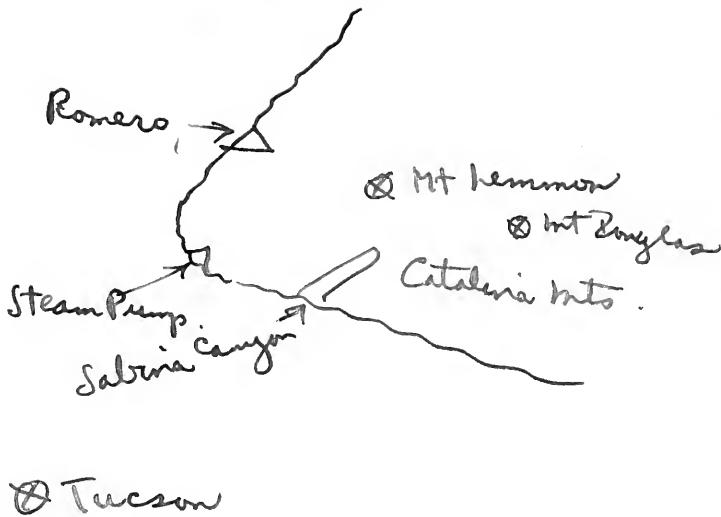
Spent the afternoon on a general clean up. Pickled all available specimens (7). Everything now catalogued and put away.

Checked up specimens in stock to plan campaign on Oregonus-tigris in Nevada and Grand Canyon confluentus

1929 Sunday 25, Aug.

Worked mostly on *Tigris* today.
Checked the U.C. specimens from
near Picares (4 Spec.) also 5
from Panamint etc. and rechecked
3 others from Nevada. Also 1 AMNH
mitchelli. These are hard to check
and go very slow w/ head scales
being so badly broken up.

Aug. Monday 26, 1929



1929 Tuesday 27, Aug.

Notes on New Mexico and Arizona
rattle records as told me by E H Taylor
on Monday Sept 2nd

Wiliardi

Ramsay Canyon

Pot Canyon (not by Taylor)

Trisequatus

Ramsay Canyon (near Hawkey mine).
Miller Canyon.

Lepidus

Ramsay Canyon

Montezuma Canyon (last year)

Molossus

Head of Butz Canyon (Black).

Romero Canyon

mouth of Sakino Canyon (dead)
Ash Canyon.

San Marcial (new Mexico)

Bisbee (dead)

Atrox

San Marcial NM.

Romero Canyon.

bt Lemon (alt 4000 ft),

Confluens

Santa Fe

Trisequatus

Sakino Canyon,

Regan, Foothills, Tucson

Aug. Wednesday 28, 1929

1929 Thursday 29, Aug.

Aug. Friday 30, 1929

Photographed 1 Molossus and 1 Black Arizona Organza this morning. No luck with the former.

Milked rattlers this noon.

Today saw a small skink from Deerhorn (Walker) with a bright pink (not blue) tail.

This evening unpacked 23 rattlers from Field Museum, and 4s from U.C. Also 3 from Bogert.

Today put in stock a large molossus seed yesterday from Santa Fe. Case said Winslow. This is the only specimen to date on which locality data is not ok.

1929 Saturday 31, Aug.

Spent the afternoon pickling specimens. Finished 18 rattlers. Nothing done in the way of checking.

Sept. Sunday 1, 1929

Sick all day today. Nothing done. Walker brought over a couple of specimens.

In the evening had a phone call from Dr. E. H. Taylor Univ. of Kansas that he had been bitten by a sidewinder the previous night at Yuma. Had taken one dose of antivenin. Had drawn all the way from Yuma with one hand. Sound ed in bad shape; sent Richmond out with ~ more doses (one of which he gave him). Richmond took him to the Mercy Hospital.

1929 Monday 2, Sept.

Saw Taylor for a few moments at Mercy Hospital this morning. He was much better. He was putting a small stick on a sidewinder's head to catch him, the stick broke and his hand went forward. He was bitten on the index finger. Only noticed one ~~long~~^{Labor Day} puncture. Opened this but not the other. Got on a tourniquet. Got one dose of antivenin in about 1 hour.

Noted the following in the Taylor collection either dead or alive.

I Scute Gila Bend.

Triseptatus and Lepidus Huachuca.

Phrynosaurus Yuma.

Tiglio (a fine Arizona Specimen with small head) Sabino Canyon.

Molossus. Ash Canyon in the Huachucas.

Scute (alive) mouth of Ash Canyon,

light molossus Romero Canyon, Huachuca

Black & orange Int. Sanon Catalina.

He had a fine lot of material. Altogether had taken some 50 or more rattlers in New Mexico and Arizona.

Read a run over Mr. pieceis from Walker from near Dulzura.

In the afternoon took Taylor back to his auto camp and talked snakes with him for an hour.

Sept. Tuesday 3, 1929

1929 Wednesday 4, Sept.

Sept. Thursday 5, 1929

1929 Friday 6, Sept.

Sept. Saturday 7, 1929

Spent the afternoon pickling
specimens.

1929 Sunday 8, Sept.

Left for S. F. this noon via train.

Sept. Monday 9, 1929

Spent the day at the Calif.
Academy.

1929 Tuesday 10, Sept.

At Del Monte

Sept. Wednesday 11, 1929
at Del Monte

1929 Thursday 12, Sept.

At Del Monte

Sept. Friday 13, 1929

At Calif. Academy checking
rattlesnakes.

1929 Saturday 14, Sept.

At California Academy checking
rattles.

Drove to Alpine Tavern
this evening 133 miles.

Sept. Sunday 15, 1929

Drove to Fullerton today
about 380 miles.

1929 Monday 16, Sept.

Drove home this morning.
Turned gophers DOR at Sierra.

Nothing seen in the County. 61
miles. A cool foggy day.

Sept. Tuesday 17, 1929

1929 Wednesday 18, Sept.

Milked a few snakes this noon.
Visited with ^{B.C.} ~~Hector~~ Cain of
Oakland Boy Scouts.

He is naturalist for the Boy Scouts
Address 221 Thayer Bldg., Oakland

Sept. Thursday 19, 1929

Today George in Nat. Hist. Museum told me that one of the Bogles King snakes swallowed another nearly as large. (Capture specimens) Drove it up three days later.

Today received from E.D. McKee as a loan a fine large Grand Canyon Rattle taken on Tanne Trail about three hundred feet below the south rim. This alive. Also two badly mutilated and somewhat decomposed from Desert View Point on the south rim. They are quite different in color although both have distinct marks. One dark brown like Walsow; the others quite orange colored.

Also received from Chester Sants from Riviera B.C. a fine series consisting of
3 *mitchellii* (M)

13 *leucascensis* (2 S, 7 M, 4 L)

1 large is rather queerly marked

8 *enyo* 1 L, 7 M.

All alive. *leucascensis* in rather poor condition.
Cost 54°

Transp. 6- La Riviera

Express $\frac{36\frac{1}{2}}{63 \frac{1}{2}}$

1929 Friday 20, Sept.

Sept. Saturday 21, 1929

Went to Long Beach today with Chittenden. Did not drive myself so did not check road.

Tex Schulz had one brood of sidewinders about 5 now. Said there had been 7. Nothing else of interest.

No time to work on specimens today.

1929 Sunday 22, Sept.

Spent the morning with Chickering
on business and the afternoon preserving
and filing. No time to do any scale
Counting this weekend.

Sept. Monday 23, 1929

1929 Tuesday 24, Sept.

Quoting letter from S.P. Jones
National Park Service

"C. S. thought you would be interested
in hearing of a case of cannibalism
among horned toads. I kept several
in a pen, and, to I must admit &
did not feed them regularly. One day
I saw a two inch horned toad gulp
down a one-inch frog's head first"

Sept. Wednesday 25, 1929

1929 Thursday 26, Sept.

Sept. Friday 27, 1929

Removed Venom at noon.

1929 Saturday 28, Sept.

Pickled snakes all afternoon. Made
a few color notes. No time to
work on research.

Sept. Sunday 29, 1929

Spent the morning and part
of afternoon pickling specimens.
Out & lunch.

No time to work on scale
counts

1929 Monday 30, Sept.

Oct. Tuesday 1, 1929

1929 Wednesday 2, Oct.

Oct. Thursday 3, 1929

1929 Friday 4, Oct.

Working in S.F. today.

Oct. Saturday 5, 1929

Working w/SF today.

1929 Sunday 6, Oct.

Returned from SF this morn.

Saw a juvenile Boyles King DOR
in Park today.

Oct. Monday 7, 1929

1929 Tuesday 8, Oct.

Oct. Wednesday 9, 1929

1929 Thursday 10, Oct.

Drove to L.A. with G.G. Started at 2^30 P.M. A clear mild day. 63 miles in the country. Nothing seen.

Oct. Friday 11, 1929

Drove home from L.A. starting
at 2³⁰. 23 miles in the country
in daylight. Nothing seen.

1 small gopher picked up ~~near~~
6 miles south of Irvine. Sawed
it. D.O.B.

1929 Saturday 12, Oct.

Worked this ^{Columbus Day} afternoon on the
small rattles from north-eastern
Utah.

Oct. Sunday 13, 1929

Worked on specimens (mostly
tegus) in the ~~not~~ morning and
part of afternoon. Checked all
together about 14 specimens.

1929 Monday 14, Oct.

Oct. Tuesday 15, 1929

Drove to L A this afternoon to catch the back. Started at 4 P.M. dark at Oceanside. going too fast to watch the road. Don't count.

1929 Wednesday 16, Oct.

Worked this afternoon for
2 hours at the CHS. Did 2
figures and checked some points
in *Tortugensis*. Too tired to do much..

Oct. Thursday 17, 1929

1929 Friday 18, Oct.

Oct. Saturday 19, 1929

Drove down this AM. from L.A.
Saw a snake in Orange Co near
Orange but didn't stop. Saw
nothing in S.D. Co 63 miles.

1929 Sunday 20, Oct.

This morning pickled 5 snakes
and checked 16 from Kansas.

Oct. Monday 21, 1929

1929 Tuesday 22, Oct.

Oct. Wednesday 23, 1929

1929 Thursday 24, Oct.

Oct. Friday 25, 1929

1929 Saturday 26, Oct.

Oct. Sunday 27, 1929

Roosevelt's Birthday

1929 Monday 28, Oct.

Oct. Tuesday 29, 1929

1929 Wednesday 30, Oct.

Oct. Thursday 31, 1929

Halloween

1929 Friday 1, Nov.

Reed today from the Record Dept
a juvenile Osgoodia from
Hilldale.

Nov. Saturday 2, 1929

1929 Sunday 3, Nov.

By tonight I had finish
scale counts on all foreign
specimens except the following

U.C. 14 Great Basin. (Complete except
head scales)

AMNH 2 *Polystictus*
1 Broad of atrox

Carnegie (Pittsburgh)

3 misc Specimens.

Nov. Monday 4, 1929

Today started on my "vacation" at $11\frac{3}{4}$

By evening had finished the Mr. Osceola series.

Also 22 Scutatus and about half through with 14 more.

Saw today at the Zoo a chick supposed to have been taken on Barron's Grade near Tulane.

1929 Tuesday 5, Nov.

Today I finished Scutellaria
a total of 57 specimens.
Went to a poker party at 4³⁰

Nov. Wednesday 6, 1929

Very little done today account
of long meetings with P/A
Barley and Re Cunningham on
business.

Thrush May 5 Arizona oregana

1929 Thursday 7, Nov.

Completed my Great Basin Oreganae
today; a total of 30 specimens.

Nov. Friday 8, 1929

Started to check confluences today but instead made a general check of the confluences - great basin problem from Valle Arroyo to Zion Natl. Park, Utah across the Grand Canyon. mapped all specimens and made a general survey. Completed this at 5 P.M.

This evening finished 16 confluences except for the color notes.

Read today from Navarahan 1 small Boyles King from Rose Canyon.

Total specimens for vacation to date 107

1929 Saturday 9, Nov.

Worked hard today checking
Specimens. Afternoon and
evening.

Nov. Sunday 10, 1929

Checked Specimens all day
today

1929 Monday 11, Nov.

Checked ^{Armistice Day} Specimens all day today. Went to La Tolla to Nat Hist meeting in the evening.

As of this evening the following material is unchecked

Foreign

3 misc Spec. from Carnegie Pitt
1 Brood of atrox from AMNH.

Domestic

Of the species with which I am now concerned the following

- 8 molossus
- 19 mitchellii
- 51 S.D. Co., Oregon (These I do not expect to do at this time)

S.D. Soc. Nat. Hist.

- 4 atrox
- 2 mitchellii
- 1 Oregonus (Riverside Co.)
- 2 Exsel
- 9

Nov. Tuesday 12, 1929

1929 Wednesday 13, Nov.

Nov. Thursday 14, 1929

1929 Friday 15, Nov.

Nov. Saturday 16, 1929

1929 Sunday 17, Nov.

Worked last two days getting ready for J.F. trip and did much indexing, filing, carding etc. Also completed 8 molasses

Nov. Monday 18, 1929

Reed today from Nat Hist
Museum a young exsol taken
at Camp Kearney?

Left for SF about 4 P.M.
Too dark and fast to check
anything on the road.

1929 Tuesday 19, Nov.

Lebec to S.F. nothing seen
on the road.

Nov. Wednesday 20, 1929

Spent most of the day at
Berkeley

1929 Thursday 21, Nov.

Nov. Friday 22, 1929

1929 Saturday 23, Nov.

Nov. Sunday 24, 1929

Returned to S.D. from Atascadero.
Arrived at 9³⁰ P.M. Nothing seen
on the road.

1929 Monday 25, Nov.

Dawson live ring nest caught in
SD. by V.M. Pringle.

Nov. Tuesday 26, 1929

1929 Wednesday 27, Nov.

Nov. Thursday 28, 1929

Thanksgiving Day

Today I worked up 17 specimens
of *Mitchellii* from my collection
and 3 Great Basin from Brigham
Young University.



Beyond these there remain primarily the
USNM material of which there is
considerable I would like to see
particularly

Sicasensis

Epsul (from Seven Calif.).

Atrix (from Calif and Ariz.).

Scutulatus (about $\frac{1}{2}$ day)

Oregonus (from Arizona).

Confluens (from Mexico and Ariz.)

May send for these yet but only
after I have returned all now
known.

1929 Friday 29, Nov.

As of today specimens to check are as follows.

Foreign

- 3 Misc Spec. from Carnegie, Pitts.
- 1 Brood of Atrox from AMNH.

LMK

53 S.D. Co Oreganus (Dont expect to do these in connection with present investigation.)

This is complete to No 5576

S.D. Soc. N.H.

4 Atrox

2 mitchellii

1 Oreganus (Riverside Co)

3 Exsul

10

Am about to receive some 18 or so specimens ordered from U.C. This will clear up everything of special interest in the U.C. collection. There are of course many Oreganus and a few mitchellii and exsul specimens which would be of interest if there were time.

Nov. Saturday 30, 1929

This afternoon checked

9 S.D.S.N.H. specimens

and 3 Carnegie of Pittsburgh.

These leaving incomplete only

V.C. to arrive

AMNH atrox bird.

LMK 53 J. D. Co Oregans
(not to be done).

1929 Sunday 1, Dec.

Spent the morning working over the
small white confluences of the Green -
Colorado River Valley. Made final
comparisons. Selected a type specimen
(Field #23) from Grand Junction.

Afternoon at MKs.

In the evening worked on mapping
the Calif. tigris and adjacent Great
Basin and Mitchellii specimens. Have
a few more to check - awaiting Geological
Survey sheets now in order to do this.
Will then be able to write up three
new subspecies or four; that is
after making a visual inspection of
border material.

Dec. Monday 2, 1929

1929 Tuesday 3, Dec.

Dec. Wednesday 4, 1929

1929 Thursday 5, Dec.

Dec. Friday 6, 1929

1929 Saturday 7, Dec.

Dec. Sunday 8, 1929

1929 Monday 9, Dec.

Dec. Tuesday 10, 1929

1929 Wednesday 11, Dec.

Dec. Thursday 12, 1929

1929 Friday 13, Dec.

Rode out to Otag mesa and to
Tijuana to look at here's. 25 miles
in snake territory. Nothing seen. A
clear warm day; no rain since early
Sept.

Dec. Saturday 14, 1929

1929 Sunday 15, Dec.

Worked on Conference page

Dec. Monday 16, 1929

Worked afternoon on Confluences
paper.

1929 Tuesday 17, Dec.

Worked all day on confluence
paper

Dec. Wednesday 18, 1929

To day saw a large exsel
which young Cook had caught
yesterday at the south west foot
of San Miguel Mt.

Worked all day on confertus
page

1929 Thursday 19, Dec.

Worked all day on confluence
paper

Dec. Friday 20, 1929

Worked all day on confluences
paper.

1929 Saturday 21, Dec.

Spent the past week on a vacation working up paper on butoxus, decolor, stephensi and akysse.

Practically finished first draft today. From now on will take lots of work to round it into shape.

Dec. Sunday 22, 1929

Shortest Day

1929 Monday 23, Dec.

Dec. Tuesday 24, 1929

1929 Wednesday 25, Dec.

Dec. Thursday 26, 1929

1929 Friday 27, Dec.

Dec. Saturday 28, 1929

1929 Sunday 29, Dec.

Started Lorenzo Cook tagging and sorting Pearl's collection made last summer.

Completed my *Confluences* paper. Second revision.

Dec. Monday 30, 1929

1929 Tuesday 31, Dec.

Notes For 1930

Memoranda

Memoranda

Memoranda

Memoranda

Memoranda

JANUARY—CASH

REC'D

PAID

FEBRUARY—CASH

REC'D

PAID

MARCH—CASH

REC'D

PAID

APRIL—CASH

REC'D

PAID

MAY—CASH

REC'D

PAID

JUNE--CASH

REC'D

PAID

JULY—CASH

REC'D

PAID

AUGUST—CASH

REC'D

PAID

SEPTEMBER—CASH

REC'D

PAID

OCTOBER—CASH

REC'D

PAID

NOVEMBER—CASH

REC'D

PAID

DECEMBER--CASH

REC'D

PAID

SUMMARY—CASH

REC'D

PAID

Cash on hand Jan. 1st

January

February

March

April

May

June

July

August

September

October

November

December

Total

Balance to new Acc't

POSTAGE

CLASSIFICATION	DOMESTIC	FOREIGN
Letters, First Class Matter.....	2c. per oz. ^{oo}	o
Post Cards (Private)	2c. each	o
Postal Cards (Government)	1c. each	o
Newspapers, Magazines, Periodicals.....	2c. for each 2 ozs.*	o
Circulars and miscellaneous printed matter, also mdse.	1½c. for each 2 ozs. [†]	o
Merchandise, catalogs, etc., over 8 ozs....	Zone rates apply	o

REGISTRY FEE. In addition to postage, Foreign 10c. Domestic first-class and sealed fourth-class mail prepaid with first-class postage, indemnified for \$50.00 or less, fee 15c.; \$100.00 or less, 20c. Return receipt 3c. extra.

^{oo} Drop letters, 1c. per oz.

[†]The rate on printed books or catalogs having 24 or more pages, seeds, bulbs, etc., weighing 8 ozs. or less, is 1c. for each 2 ozs. or fraction thereof.

*Limit of weight, 8 ozs. Over 8 ozs. subject to 4th class rates.

^oFor foreign rates and conditions, inquire at Post Office.

DOMESTIC: SPECIAL DELIVERY.—A special delivery stamp or ten cents' worth of ordinary stamps and the words "Special Delivery" marked on the envelope or wrapper, in addition to the regular postage, secures the special delivery of any piece of mail matter weighing not more than 2 lbs. including parcel post packages, within one mile of any U. S. post office. On mail matter weighing more than 2 lbs., but not more than 10 lbs., 15c.; over 10 lbs., 20c.

REFORWARDING.—First-class matter (Letters, postal cards, etc.) will be forwarded without extra postage. Other matter requires a new prepayment of postage.

Mail matter for Hawaii, Porto Rico, the Phillipines, The Island of Guam and Tutuila, the "Canal Zone," and the Virgin Islands of U. S., is subject to domestic rates and conditions.

DOMESTIC PARCEL POST.—Merchandise may be sent by domestic parcel post, the rates depending on weight and distance, concerning which inquire at Post Office.

REQUIREMENTS.—Sender's name and address must appear on package—otherwise unmailable; parcels over four ounces must be mailed at post office or places designated—not in street boxes; contents easily examined; limit of size, 84 inches in length and girth combined.

SPECIAL HANDLING.—25c. postage affixed to a parcel, in addition to the regular postage charges, with the words "Special Handling" written or printed on the wrapper, secures the same expeditious handling of a fourth-class article as accorded first-class mail.

C. O. D.—Goods may be sent C. O. D. by parcel post. On amounts not exceeding \$10.00, the fee is 12c.; not exceeding \$50—15c.; \$100.00—25c., collected and returned to the sender. Fee also insures the parcel.

POSTAL SAVINGS.—Money may be deposited to individual accounts at offices which have been designated as Postal Savings Offices, and interest is paid at the rate of 2 per cent. per annum on deposits.

DOMESTIC MONEY-ORDER FEES.—For orders from \$0.01 to \$2.50, 5 c.; \$2.51 to \$5.00, 7c.; \$5.01 to \$10.00, 10c.; \$10.01 to \$20.00, 12c.; \$20.01 to \$40.00, 15c.; \$40.01 to \$60.00, 18c.; \$60.01 to \$80.00, 20c.; and \$80.01 to \$100.00, 22c.

Subject to change after going to press.

CALENDAR FOR 1930

1930	S	M	T	W	T	F	S	1930	S	M	T	W	T	F	S
Jan.	1	2	3	4	July	1	2	3	4	5
5	6	7	8	9	10	11		6	7	8	9	10	11	12	
12	13	14	15	16	17	18		13	14	15	16	17	18	19	
19	20	21	22	23	24	25		20	21	22	23	24	25	26	
26	27	28	29	30	31	...		27	28	29	30	31	...	...
Feb.	1		Aug.	1	2	
2	3	4	5	6	7	8		3	4	5	6	7	8	9	
9	10	11	12	13	14	15		10	11	12	13	14	15	16	
16	17	18	19	20	21	22		17	18	19	20	21	22	23	
23	24	25	26	27	28	..		24	25	26	27	28	29	30	
Mar.	1		Sept.	...	1	2	3	4	5	6
2	3	4	5	6	7	8		7	8	9	10	11	12	13	
9	10	11	12	13	14	15		14	15	16	17	18	19	20	
16	17	18	19	20	21	22		21	22	23	24	25	26	27	
23	24	25	26	27	28	29		28	29	30	...	...	...	...
Apr.	...	1	2	3	4	5		Oct.	1	2	3	4	
6	7	8	9	10	11	12		5	6	7	8	9	10	11	
13	14	15	16	17	18	19		12	13	14	15	16	17	18	
20	21	22	23	24	25	26		19	20	21	22	23	24	25	
27	28	29	30	...	...	...		26	27	28	29	30	31	..
May	1	2	3		Nov.	1		
4	5	6	7	8	9	10		2	3	4	5	6	7	8	
11	12	13	14	15	16	17		9	10	11	12	13	14	15	
18	19	20	21	22	23	24		16	17	18	19	20	21	22	
25	26	27	28	29	30	31		23	24	25	26	27	28	29	
June	1	2	3	4	5	6	7	Dec.	...	1	2	3	4	5	6
8	9	10	11	12	13	14		7	8	9	10	11	12	13	
15	16	17	18	19	20	21		14	15	16	17	18	19	20	
22	23	24	25	26	27	28		21	22	23	24	25	26	27	
29	30	...	...	...	...	...		28	29	30	31	...	...	...

